



State law requires that this report be filed with the State Board of Water Well Contractors within 30 days after completion or abandonment of the well.

2018

<b>WELL OWNER</b> <u>KEYSTONE SD. 577541</u> Name <u>National Park Service</u> Address <u>24290 DOANE Mountain Rd.</u> <b>WELL LOCATION</b> Sketch map location must agree with written location. <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 100px; margin-right: 10px;"> </div> <div>             County <u>SD</u> GPS <u>47.600078</u>  <u>-103.12403100</u>  <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">1/4 <u>SE</u> Township <u>148N</u></div> <div style="text-align: center;">1/4 <u>NW</u> Range <u>99W</u></div> <div style="text-align: center;">1/4  Section <u>35</u></div> </div> </div> </div>				Was pump installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>DATE WATER COMPLETION</b> Was well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>WATER LEVEL</b> Static water level (in feet) below surface <u>21'</u> If flowing, closed-in pressure in psi _____ GPM flow _____ Through _____ inch pipe _____ Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Reducers <input type="checkbox"/> Other <input type="checkbox"/> If other, specify _____																																																																																																																														
<b>PROPOSED USE</b> <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Geothermal <input type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Monitoring <input type="checkbox"/> Test Hole <b>METHOD DRILLED</b> <input type="checkbox"/> Cable <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Forward Rotary <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Auger <input type="checkbox"/> If other, specify _____ <b>WATER QUALITY</b> Was a water sample collected for Chemical Analysis? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteriological Analysis? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If so, to what laboratory was it sent? <u>Astero Chem</u> <b>WELL CONSTRUCTION</b> Diameter of hole in inches <u>8 3/4</u> Depth in feet <u>390'</u> Casing: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Other <input type="checkbox"/> Threaded <input type="checkbox"/> Welded <input type="checkbox"/> If other, specify _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pipe Weight</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>lb/ft</td> <td>inches</td> <td>feet</td> <td>feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>lb/ft</td> <td>inches</td> <td>feet</td> <td>feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>lb/ft</td> <td>inches</td> <td>feet</td> <td>feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> Was perforated pipe used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated pipe set from in feet _____ To in feet _____ Was casing left open end? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Was a well screen installed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Material <u>Stainless Steel</u> Diameter in inches <u>5"</u> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Slot Size</th> <th>Set from in feet</th> <th>To in feet</th> </tr> </thead> <tbody> <tr> <td><u>1/320</u></td> <td><u>379</u></td> <td><u>389</u></td> </tr> <tr> <td>Slot Size</td> <td>Set from in feet</td> <td>To in feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> Was packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, what material _____ Depth in feet _____ Type of well <input type="checkbox"/> Straight screen <input checked="" type="checkbox"/> Gravel packed <u>Perforated / 8/11c</u> Depth grouted _____ From <u>0</u> To <u>35</u> Grouting Material _____ Cement _____ Other <u>X</u> If other, explain: <u>Bentonite Chips</u> Well head completion: Pitless unit _____ 12" above grade _____ Other _____ If other, specify _____				Pipe Weight	Diameter	From	To	lb/ft	inches	feet	feet					lb/ft	inches	feet	feet					lb/ft	inches	feet	feet					Slot Size	Set from in feet	To in feet	<u>1/320</u>	<u>379</u>	<u>389</u>	Slot Size	Set from in feet	To in feet				<b>WELL TEST DATA</b> <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Other Pumping level below land surface _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Feet after</th> <th>Hrs. pumping</th> <th>gpm</th> </tr> </thead> <tbody> <tr> <td><u>7.3'</u></td> <td><u>3</u></td> <td><u>10</u></td> </tr> <tr> <td>Feet after</td> <td>Hrs. pumping</td> <td>gpm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Feet after</td> <td>Hrs. pumping</td> <td>gpm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <b>WELL LOG</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Formation</th> <th colspan="2">Depth (ft.)</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr><td><u>top soil</u></td><td><u>0</u></td><td><u>1</u></td></tr> <tr><td><u>Sandy Clay BRN</u></td><td><u>1</u></td><td><u>29</u></td></tr> <tr><td><u>Claystone</u></td><td><u>29</u></td><td><u>43</u></td></tr> <tr><td><u>Lignight</u></td><td><u>44</u></td><td><u>43</u></td></tr> <tr><td><u>Claystone</u></td><td><u>44</u></td><td><u>63</u></td></tr> <tr><td><u>Cemented Sandstone</u></td><td><u>63</u></td><td><u>65</u></td></tr> <tr><td><u>Claystone</u></td><td><u>65</u></td><td><u>129</u></td></tr> <tr><td><u>Cemented Sandstone</u></td><td><u>129</u></td><td><u>131</u></td></tr> <tr><td><u>Claystone</u></td><td><u>131</u></td><td><u>162</u></td></tr> <tr><td><u>Cemented Sandstone</u></td><td><u>162</u></td><td><u>163</u></td></tr> <tr><td><u>Claystone</u></td><td><u>163</u></td><td><u>187</u></td></tr> <tr><td><u>Lignight</u></td><td><u>187</u></td><td><u>210</u></td></tr> <tr><td><u>Sandy Lignight</u></td><td><u>210</u></td><td><u>215</u></td></tr> <tr><td><u>Claystone</u></td><td><u>215</u></td><td><u>229</u></td></tr> <tr><td><u>Lignight</u></td><td><u>227</u></td><td><u>241</u></td></tr> <tr><td><u>Cemented Sandstone</u></td><td><u>240</u></td><td><u>253</u></td></tr> <tr><td><u>Claystone</u></td><td><u>253</u></td><td><u>311</u></td></tr> <tr><td><u>Lignight</u></td><td><u>311</u></td><td><u>313</u></td></tr> <tr><td><u>Sandy Claystone</u></td><td><u>313</u></td><td><u>365</u></td></tr> <tr><td><u>Sandstone</u></td><td><u>365</u></td><td><u>375</u></td></tr> </tbody> </table> (Use separate sheet if necessary) <u>See Extra Sheet</u> <b>DATE COMPLETED</b> <u>3-11-2016</u> <b>WAS WELL PLUGGED OR ABANDONED?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, how _____ <b>REMARKS</b> _____ _____ _____ <b>DRILLER'S CERTIFICATION</b> This well was drilled under my jurisdiction and this report is true to the best of my knowledge. Driller's or Firm's Name <u>AGRI industries</u> Certificate Number <u>130</u> Address <u>3105 2nd St west williston ND 58806</u> Signed by <u>(Chad) Danielson</u> Date <u>3-16-2016</u>				Feet after	Hrs. pumping	gpm	<u>7.3'</u>	<u>3</u>	<u>10</u>	Feet after	Hrs. pumping	gpm				Feet after	Hrs. pumping	gpm				Formation	Depth (ft.)		From	To	<u>top soil</u>	<u>0</u>	<u>1</u>	<u>Sandy Clay BRN</u>	<u>1</u>	<u>29</u>	<u>Claystone</u>	<u>29</u>	<u>43</u>	<u>Lignight</u>	<u>44</u>	<u>43</u>	<u>Claystone</u>	<u>44</u>	<u>63</u>	<u>Cemented Sandstone</u>	<u>63</u>	<u>65</u>	<u>Claystone</u>	<u>65</u>	<u>129</u>	<u>Cemented Sandstone</u>	<u>129</u>	<u>131</u>	<u>Claystone</u>	<u>131</u>	<u>162</u>	<u>Cemented Sandstone</u>	<u>162</u>	<u>163</u>	<u>Claystone</u>	<u>163</u>	<u>187</u>	<u>Lignight</u>	<u>187</u>	<u>210</u>	<u>Sandy Lignight</u>	<u>210</u>	<u>215</u>	<u>Claystone</u>	<u>215</u>	<u>229</u>	<u>Lignight</u>	<u>227</u>	<u>241</u>	<u>Cemented Sandstone</u>	<u>240</u>	<u>253</u>	<u>Claystone</u>	<u>253</u>	<u>311</u>	<u>Lignight</u>	<u>311</u>	<u>313</u>	<u>Sandy Claystone</u>	<u>313</u>	<u>365</u>	<u>Sandstone</u>	<u>365</u>	<u>375</u>
Pipe Weight	Diameter	From	To																																																																																																																															
lb/ft	inches	feet	feet																																																																																																																															
lb/ft	inches	feet	feet																																																																																																																															
lb/ft	inches	feet	feet																																																																																																																															
Slot Size	Set from in feet	To in feet																																																																																																																																
<u>1/320</u>	<u>379</u>	<u>389</u>																																																																																																																																
Slot Size	Set from in feet	To in feet																																																																																																																																
Feet after	Hrs. pumping	gpm																																																																																																																																
<u>7.3'</u>	<u>3</u>	<u>10</u>																																																																																																																																
Feet after	Hrs. pumping	gpm																																																																																																																																
Feet after	Hrs. pumping	gpm																																																																																																																																
Formation	Depth (ft.)																																																																																																																																	
	From	To																																																																																																																																
<u>top soil</u>	<u>0</u>	<u>1</u>																																																																																																																																
<u>Sandy Clay BRN</u>	<u>1</u>	<u>29</u>																																																																																																																																
<u>Claystone</u>	<u>29</u>	<u>43</u>																																																																																																																																
<u>Lignight</u>	<u>44</u>	<u>43</u>																																																																																																																																
<u>Claystone</u>	<u>44</u>	<u>63</u>																																																																																																																																
<u>Cemented Sandstone</u>	<u>63</u>	<u>65</u>																																																																																																																																
<u>Claystone</u>	<u>65</u>	<u>129</u>																																																																																																																																
<u>Cemented Sandstone</u>	<u>129</u>	<u>131</u>																																																																																																																																
<u>Claystone</u>	<u>131</u>	<u>162</u>																																																																																																																																
<u>Cemented Sandstone</u>	<u>162</u>	<u>163</u>																																																																																																																																
<u>Claystone</u>	<u>163</u>	<u>187</u>																																																																																																																																
<u>Lignight</u>	<u>187</u>	<u>210</u>																																																																																																																																
<u>Sandy Lignight</u>	<u>210</u>	<u>215</u>																																																																																																																																
<u>Claystone</u>	<u>215</u>	<u>229</u>																																																																																																																																
<u>Lignight</u>	<u>227</u>	<u>241</u>																																																																																																																																
<u>Cemented Sandstone</u>	<u>240</u>	<u>253</u>																																																																																																																																
<u>Claystone</u>	<u>253</u>	<u>311</u>																																																																																																																																
<u>Lignight</u>	<u>311</u>	<u>313</u>																																																																																																																																
<u>Sandy Claystone</u>	<u>313</u>	<u>365</u>																																																																																																																																
<u>Sandstone</u>	<u>365</u>	<u>375</u>																																																																																																																																